

Patent Claims

1. Video image display (1) for a vehicle environment surveillance unit (0),
wherein environmental information is acquired using at least one image sensor (3),
the acquired environment information is processed into image information using a computer or processor (2) and displayed upon a video image display (1),
the image information is additionally recorded in an intermediate memory (4),
the most recently recorded image is compared with the image information stored in intermediate memory on the basis of image processing algorithm (5), wherein in the case of an impermissible deviation between the most recently recorded image and the image information in memory the displayed video image is modified,
thereby characterized, that in the framework of the comparison of the most recently recorded image with the image information in memory, vehicle operating parameters (6) are additionally taken into consideration.
2. Video image display (1) according to Claim 1, thereby characterized, that the operating parameter (6) is a parameter which provides information regarding whether the vehicle is moving forwards or backwards or standing still.
3. Video image display (1) according to one of the preceding claims, thereby characterized, that the vehicle operating parameter (6) is the vehicle speed.

4. Video image display (1) according to one of the preceding claims, thereby characterized, that in the case of an impermissible deviation between the most recently recorded image and the image information in memory an error message is displayed upon the video image display (1).
5. Video image display (1) according to one of the preceding claims, thereby characterized, that in the case of an impermissible deviation between the most recently recorded image and the image information in memory the video image display (1) is automatically switched off.
6. Video image display (1) according to one of the preceding claims, thereby characterized, that for correction of the displayed video image a new image is recorded and the newly recorded image replaces the most recently recorded image.
7. Video image display (1) according to one of the preceding claims, thereby characterized, that in the case that a re-initiation of the image recording is no longer possible, an error message is displayed on the video image display (1).
8. Video image display (1) according to one of the preceding claims, thereby characterized, that in the case that a re-initiation of the image display is no longer possible, the video image display (1) is automatically switched off.
9. Video image display (1) according to one of the preceding claims, thereby characterized, that the vehicle operator is

informed regarding an impermissible deviation between the most recently recorded image and the image information in memory independently of the video image display (1) which independent means is in communication with the vehicle environment surveillance unit (0).

10. Video image display (1) according to Claim 9, thereby characterized, that for informing the vehicle operator optical signals are employed which use an optical display means as the warning means (7).
11. Video image display (1) according to Claim 9, thereby characterized, that acoustic signals are employed for informing the vehicle operator, wherein an acoustic output means is provided as the warning means (7).
12. Use of the video image display (1) according to one of Claims 1 through 11 in a vehicle environment surveillance system (0), in particular in a night vision system.
13. Use of the video image display (1) according to one of Claims 1 through 11 in a vehicle environment surveillance system (0), in particular in a system for locating a parking place.